

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION

WIN-1776

Effective Date: September 1, 2013

Reevaluation Date: **September 2014**

The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Integrity All Ultrex Fiberglass Round Top Fixed Windows, New Construction and Replacement Construction, Non-Impact Resistant, manufactured by

Integrity from Marvin Windows and Doors

1616 43rd Street NW

Fargo, North Dakota

Telephone: (800) 587-2712

General Description:

System	Description	Label Rating	Design Pressure Rating
1	All Ultrex Series Round Top Fiberglass Window	CW-PG50 83 x 83 FW-C50 83 x 83	± 50 psf
2	All Ultrex Series Round Top Fiberglass Window	CW-PG50 87 x 50 FW-C50 87 x 50	± 50 psf
3	All Ultrex Series Round Top Fiberglass Window	CW-PG50 65 x 65 FW-C50 65 x 65	± 50 psf

Product Dimensions:

System	Overall Size
1	83" x 83"
2	87" x 50"
3	65" x 65"

Product Identification (Certification Agency Label on Window):

System	Certification Agency	WDMA
1, 2, 3	Manufacturer's Name or Code Name	Integrity from Marvin Windows and Doors
	Product Name	Integrity All Ultrex Series Round Top
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05; AAMA/WDMA/CSA 101/I.S.2/A440-08

Impact Resistance:

Impact Resistant	Requirement
No	Impact protective system required when product is installed in areas where windborne debris protection is required

Installation:

System 1: The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using the frame of the window with structural brackets (5.150" long x 1.563" wide x 0.050" thick galvanized steel). The structural bracket is secured to the exterior side of the wall framing with two (2) minimum 11 gauge smooth shank roofing nails and to the interior side of the wall framing with two (2) minimum No. 8 screws. The structural bracket is secured to the window frame with two (2) minimum No. 7 x 5/8" screws. The structural brackets are spaced approximately 6 inches from each corner and approximately 12 inches on center along perimeter of the window. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

System 2: The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using the frame of the window with minimum No. 8 x 3" screws and metal stamped brackets. The metal stamped bracket (2.315" long x 1.5623" wide x 0.050" thick) is secured to the wall framing with two (2) minimum No. 7 x 5/8" screws. The screws and the metal stamped brackets are spaced approximately 4 inches from each corner along the head and side jambs of the window. The sill is secured to the wall framing with construction adhesive. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

System 3: The wood wall framing members shall be minimum Southern Yellow Pine dimension lumber. The window assembly is secured to the wall framing using the nailing fin of the window with minimum 2" long 11 gauge smooth shank roofing nails. The fasteners are spaced approximately 6 inches from each corner and 6 inches on center along the perimeter of the window. All fasteners shall be long enough to penetrate a minimum of 1 ½ inches into the wall framing members.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.